

WE CLAIM:

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- 1 1. A partition for a column for separation of
2 substance or chemical reactions, comprising at least two mutually
3 parallel wall elements disposed substantially contiguously one
4 above another or one alongside another, and a plug or clamp
5 connector along an edge of one of said wall elements receiving an
6 edge of the other wall element.
- 1 2. The partition defined in claim 1 wherein said
2 connector is provided adjustably on at least one side of said one
3 of said wall elements.
- 1 3. The partition defined in claim 1 wherein said
2 connector includes a strip parallel to said edge of said one of
3 said elements and affixed to a face thereof to form along said
4 edge of said one of said wall elements, a slot receiving said
5 edge of the other wall element.
- 1 4. The partition defined in claim 1 wherein said
2 connector includes a pair of strips affixed to opposite faces of
3 said one of said wall elements and projecting beyond said edge of
4 said one of said wall elements to form a slot receiving the other
5 wall element and overlapping opposite faces thereof at said edge
6 of said other wall element.

1 5. The partition defined in claim 1 wherein said
2 connector includes a first strip mounted on said one of said wall
3 elements parallel to said edge of said one of said wall elements
4 and a spacer between said strip and a face of said one of said
5 wall elements whereby said strip defines with said one of said
6 wall elements along the edge of said one of said wall elements a
7 slot receiving said edge of said other wall element, said strip
8 overlapping said other of said wall elements.

1 *cont* 6. The partition defined in claim 1 wherein said
2 connector includes a step formed in said edge of said one of said
3 wall elements in which said edge of said other wall element is
4 received, and a strip juxtaposed with said other wall element,
5 secured to said one of said wall elements and defining a slot
6 with said step in which said edge of said other wall elements is
7 received.

1 7. The partition defined in claim 1, further
2 comprising a strip of stepped cross section secured to said one
3 of said wall elements and forming said connector, said strip
4 defining a slot receiving said edge of said other wall element.

1 8. The partition defined in claim 1 wherein said wall
2 elements are coplanar with one another.

1 9. The partition defined in claim 1 wherein said
2 connector includes at least one strip connected by welds to said
3 one of said wall elements along said edge of said one of said
4 wall elements.

1 10. The partition defined in claim 9 wherein said
2 welds are spot welds.

1 11. The partition defined in claim 9 wherein said
2 welds are roller-generated point weld connections.

1 12. The partition defined in claim 1 wherein said
2 connector includes at least one strip fastened along said edge of
3 said one of said wall elements and secured thereto by threaded
4 bolt connections.

1 13. The partition defined in claim 1 wherein said
2 connector includes at least one strip composed of metal or
3 plastic.

1 14. The partition defined in claim 1, further
2 comprising sealing elements along at least one edge of the
3 partition adapted to contact a wall of said column.

1 15. The partition defined in claim 14 wherein said
2 sealing elements are composed of thin slitted sheet metal or a
3 metal fabric.

1 16. The partition defined in claim 14 wherein said
2 sealing elements are resilient sealing lips.

1 17. The partition defined in claim 1 wherein lateral
2 faces of said wall elements are rectangular or triangular.

1 18. The partition defined in claim 1 wherein said
2 connector includes at least one strip overlapping said other all
3 element and affixed to said one of said wall elements and forming
4 a sealing connection between said wall elements at said edges
5 thereof.

1 19. A column for the separation of components of a
2 flowable mixture or for effecting chemical reaction, comprising:

3 an upright column housing formed internally with at
4 least one vertical partition separating an inlet side of an
5 interior of said column from an outlet side thereof,

6 at least one fitting for introducing a mixture of
7 flowable compounds into said inlet said,

8 at least one lateral fitting for discharging a flowable
9 substance from said outlet side, said partition comprising at

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